



NEB-232.ST25.txt  
SEQUENCE LISTING

<110> Lunnen, Keith  
Davis, Theodore  
Wilson, Geoffrey

<120> Method for Cloning and Expression of SbfI Restriction  
Endonuclease and SbfI Methylase in E. coli

<130> NEB-232

<140> 10/668,047

<141> 2003-09-22

<150> 10/668,047

<151> 2003-09-22

<160> 57

<170> PatentIn version 3.2

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<211> 1461

<212> DNA

<213> streptomyces species Bf-61

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<221> CDS

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Val	His	Val	Val	Ala	Val	Glu	Thr	Asp	Pro	Phe	Val	Val	Pro	Tyr	Leu	
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cta	gtc	gag	ggc	gac	tat	ttg	ctt	aac	caa	ggg	gcc	aag	ctg	gat	ggc	384
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## NEB-232.ST25.txt

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## NEB-232.ST25.txt

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ggg cat acc cag gtg aac gct ggc gat cta cgc cgg ctt ccg ttc ctc 1344  
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Met Lys Ala Ala Thr Leu Met Ala Ser Met Leu Arg Val Asp Asp Leu  
 35 40 45

Arg Gly Thr Val Arg Val Leu Asp Pro Gly Ala Gly Val Gly Ser Leu  
 50 55 60

Thr Ala Ala Leu Val Asp Arg Leu His Thr Glu Arg Pro Asp Val Ala  
 65 70 75 80

Val His Val Val Ala Val Glu Thr Asp Pro Phe Val Val Pro Tyr Leu  
 85 90 95

Arg Ala Thr Leu Glu Glu Cys Arg Asn Ala Tyr Gly Ile Ser Tyr Asp  
 Page 3

100

105

110

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Pro Phe Asp Leu Val Ile Ala Asn Pro Pro Tyr Gly Lys Leu Ala Ser  
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Asp Ser Leu Ala Arg Leu Ala Thr Thr Ala Arg Ala Val Asp Val Pro  
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Asn Val Tyr Val Ala Phe Trp Val Arg Ala Val Ile Ser Leu Lys Glu  
 165 170 175

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Ile Leu His Val Phe Glu Ser Arg Thr Lys Val Phe Ala Asp Thr Lys  
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Val Lys Gln Glu Asn Val Ile Val Ala Phe Ser Val Arg Pro Gln Ser  
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Asp Val Ala Leu Arg Gln Leu Leu Pro Gln Gly Ser Tyr Val Val Val  
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cgt ggg tgg ctt ttc ctt atg gag gcc gtg aaa agt aaa ggt ccg ttt Arg Gly Trp Leu Phe Leu Met Glu Ala Val Lys Ser Lys Gly Pro Phe 245 250 255	768
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Asp Arg Trp Val Asp Ser Thr Thr Pro Arg Leu Gly Val Gln Lys Ile  
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Phe Ala Val Leu Asn Ala Asp Asn Leu Asn Ile Ala Thr Asn Ser Gln  
100 105 110

Leu Asn Glu Tyr Cys Leu Ser Asp Glu Ala Leu Gln Ala Leu Arg Ala  
115 120 125

Tyr Gly Thr Glu Gly Phe Glu Glu Ser Leu Val Val Phe Leu Asp Glu  
130 135 140

Ala Ser Lys Ala Val Lys Ala Arg Ala Glu Ala Leu Gln Ala Ala Met  
145 150 155 160

Ile Ser Val Asp Leu Pro Gly Gly Glu Glu Phe Leu Leu Ser Pro Ala  
165 170 175

Gly Gln Asn Pro Leu Leu Lys Lys Met Val Glu Glu Phe Val Pro Arg  
180 185 190

Phe Ala Pro Arg Ser Thr Val Leu Tyr Leu Gly Asp Thr Arg Gly Lys  
195 200 205

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His Ser Leu Phe Glu Arg Glu Ile Phe Glu Glu Val Leu Gly Leu Thr  
210 215 220

Phe Asp Pro His Gly Arg Met Pro Asp Leu Ile Leu His Asp Glu Val  
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Arg Gly Trp Leu Phe Leu Met Glu Ala Val Lys Ser Lys Gly Pro Phe  
245 250 255

Asp Glu Glu Arg His Arg Ser Leu Gln Glu Leu Phe Val Thr Pro Ser  
260 265 270

Ala Gly Leu Ile Phe Val Asn Cys Phe Glu Asn Arg Glu Ser Met Arg  
275 280 285

Gln Trp Leu Pro Glu Leu Ala Trp Glu Thr Glu Ala Trp Val Ala Glu  
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